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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/11/2003

Yoel Wazana

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03/19/2009

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EXAMINER

ELVE, MARIA ALEXANDRA

ART UNIT

PAPER NUMBER

3742

MAIL DATE

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/659,881	Applicant(s) WAZANA ET AL.	
	Examiner M. Alexandra Elve	Art Unit 3742	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 October 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 6-11 and 14-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 22 and 23 is/are allowed.
- 6) ☒ Claim(s) 6-11 and 14-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>9/4/08, 5/29/08</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 112

Claim 19 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. There is no basis in the original specification or claims for clamp.

Claim Rejections - 35 USC § 101

Claims 6 & 15-18 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Applicant has used computer programming; this is non-statutory.

Where applicant acts as his or her own lexicographer to specifically define a term of a claim contrary to its ordinary meaning, the written description must clearly redefine the claim term and set forth the uncommon definition so as to put one reasonably skilled in the art on notice that the applicant intended to so redefine that claim term. *Process Control Corp. v. HydReclaim Corp.*, 190 F.3d 1350, 1357, 52 USPQ2d 1029, 1033 (Fed. Cir. 1999). The term “gimbal” in claims is used by the claim to mean “clamp or holder”, while the accepted meaning is “rotation device.” The term is indefinite because the specification does not clearly redefine the term.

Claim Rejections - 35 USC § 102/103

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 7-11 & 14 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Araki (USPN 6,223,010).

Araki discloses a resin cartridge with contacts, which is disassembled.

Applicant's claim recitations regarding the method of forming a product, relate only to the method of producing the claimed product, which does not impart patentability to the product claims. Note that determination of patentability is based on the product itself, In re Brown 173 USPQ 685, 688 and In re Fessmann 180 USPQ 324, and the patentability of a product does not depend on its method of production, In re Pilkington 162 USPQ 145, 147; see also In re Thorpe 227 USPQ 964 (CAFC 1985). Note that it is Applicant's burden to prove that an unobvious difference exists, In re Marosi 218 USPQ 289, 292-293 (CAFC 1983), and Applicant must show that different methods of

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manufacture produce articles having inherently different characteristics, *Ex parte Skinner* 2 USPQ 2d 1788.

Claims 7-11 & 14 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Baley (USPN 5,676,794).

Baley discloses a plastic reconditioned printer cartridge with contacts.

Applicant's claim recitations regarding the method of forming a product, relate only to the method of producing the claimed product, which does not impart patentability to the product claims. Note that determination of patentability is based on the product itself, In re Brown 173 USPQ 685, 688 and In re Fessmann 180 USPQ 324, and the patentability of a product does not depend on its method of production, In re Pilkington 162 USPQ 145, 147; see also In re Thorpe 227 USPQ 964 (CAFC 1985). Note that it is Applicant's burden to prove that an unobvious difference exists, In re Marosi 218 USPQ 289, 292-293 (CAFC 1983), and Applicant must show that different methods of manufacture produce articles having inherently different characteristics, *Ex parte Skinner* 2 USPQ 2d 1788.

Claims 7-11 & 14 rejected under 35 U.S.C. 102(b) as being anticipated by Sekine (USPN 6,788,908).

Sekine discloses a plastic cartridge with contacts.

Applicant's claim recitations regarding the method of forming a product, relate only to the method of producing the claimed product, which does not impart patentability

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to the product claims. Note that determination of patentability is based on the product itself, In re Brown 173 USPQ 685, 688 and In re Fessmann 180 USPQ 324, and the patentability of a product does not depend on its method of production, In re Pilkington 162 USPQ 145, 147; see also In re Thorpe 227 USPQ 964 (CAFC 1985). Note that it is Applicant's burden to prove that an unobvious difference exists, In re Marosi 218 USPQ 289, 292-293 (CAFC 1983), and Applicant must show that different methods of manufacture produce articles having inherently different characteristics, *Ex parte Skinner* 2 USPQ 2d 1788.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 6 & 15-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Araki (USPN 6,223,010) in view of Basista et al. (USPN 6,609,044), Sokoram (USPN 4,851,061) and Eckard et al. (USPN 6,464,327).

Araki discloses a resin product with the method and apparatus used for disassemble. The cartridge is cut with a laser.

Araki does not teach the use of a computer or a gimbal (that rotation of the part) or the depth of laser cutting.

Basista et al. discloses the use of a computer and an associated program for laser cutting.

It would have been obvious to one of ordinary skill in the art at the time of the invention to use a computer and cutting program as taught by Basista et al. in the Araki system because it would ensure cutting accuracy and decrease processing time.

The provision of mechanical or automated means to replace a manual activity was held to have been obvious. In re Venner 120 USPQ 192.

Sorkoram discloses laser cutting of a thermoplastic material to different depths.

It would have been obvious to one of ordinary skill in the art at the time of the invention to use differing depths for laser cutting.

Eckard et al. discloses the refurbishment of an inkjet cartridge. The gimbal action rotates the product for processing.

It would have been obvious to one of ordinary skill in the art at the time of the invention to use a rotation device, as taught by Eckard et al. in the Araki system because of the enhanced ease of product handling during the disassembly process.

With respect to applicant's predetermined laser power and speed these are design choices, dependent on the material chosen. The types of materials are a choice in design and substitution of known equivalent structures may be made. In re Kuhle 188 USPQ (CCPA 1975), In re Ruff 118 USPQ 343 (CCPA 1958).

Allowable Subject Matter

Claims 22& 23 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: the prior art does not specifically teach a method of determining differing thicknesses and the laser beam intensity and speed required to cut along a plurality of line segments with differing thicknesses.

Response to Arguments

Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to M. Alexandra Elve whose telephone number is 571-272-1173. The examiner can normally be reached on 7:30-4:00 Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tu B. Hoang can be reached on 571-272-4780. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

March 15, 2009.

/M. Alexandra Elve/
Primary Examiner, Art Unit 3742